X9

COWON X9

4.3 inch 16M Color Touch Display | JetEffect 5, 48 Presets
Music | Videos | Pictures | Documents | FM Radio | Voice Recorder | Flash Player | MicroSD Card Slot | Built-in Speaker | G-Sensor | TV-Out | Music Playback: 110hrs, Video Playback: 13hrs

Designed by COWON

User's Guide ver. 1.0 EN

DIGITAL PRIDE.
COWON

Thank you for purchasing a COWON product.

Product specification may change without notice.
Images contained in this manual may differ from the actual product.

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General

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+ This manual is based on product specifications, and various exemplary texts, illustrations, pictures, detailed functions and H/W and S/W specifications contained herein can be altered without any prior notice by the copyright owner.

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+ Contents

Before You Start! 5
- Precautions
- Package Components
- Names of Parts and Functions
- Buttons / Charging
- Connecting and Disconnecting the PC
- Firmware Upgrade

Basic Use 12
- Main Display
- Select Widget
- Basic Menu
- Settings

Additional 18
- Product Specification

Troubleshooting 20

+ Precaution

As these precautions are provided for the correct use of the product as well as user safety, be sure to familiarize yourself with them. The company will not be held responsible for any accident that may occur due to the failure to heed these precautions. The following information applies commonly to all products manufactured and produced by COWON SYSTEMS, Inc.

+ Do not use this product for other purposes than those described in this manual.
+ Handle the manual, product packaging materials, accessories, etc. with care to prevent cuts and injuries to your body.
+ For your safety, do not view videos, pictures and texts stored on your player while driving a vehicle. Operating other features of the player is also dangerous and may cause fatal accidents while driving.
+ Wearing of earphones while operating a vehicle, exercising, or walking may impair driving, mask or prevent recognition of emergency signals, alarms, announcements, the approach of vehicles and human speech. Doing so may also be unlawful depending on the region.
+ Listening at high volume (85 dB and above) for an extended period of time may harm your hearing.
+ For your protection, use the player in a well lit area where the LCD screen will not cause strain to your eyes.
+ Do not attempt to disassemble the player. Disassembly will void the warranty and the unit will be permanently disqualified from any warranty services.
+ Be sure to use only the USB power adaptor and USB cable approved by COWON SYSTEMS, Inc.

+ Wearing of earphones while operating a vehicle, exercising, or walking may impair driving, mask or prevent recognition of emergency signals, alarms, announcements, the approach of vehicles and human speech. Doing so may also be unlawful depending on the region.
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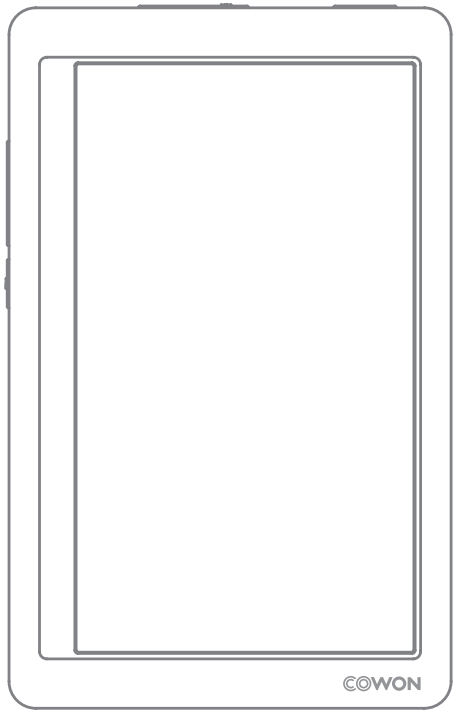
+ Be sure to use only the USB power adaptor and USB cable approved by COWON SYSTEMS, Inc.

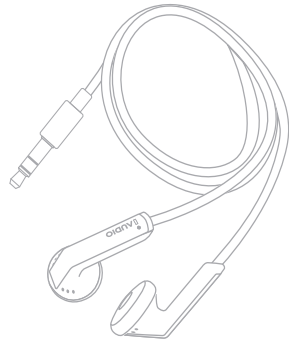
+ Precaution

+ If you smell something burning or feel excessive heat while using the product, press the – and + volume buttons for approximately 5 seconds to stop operation and contact the place of purchase.
+ If you find any abnormalities with the battery such as swelling, press the – and + volume buttons for approximately 5 seconds to stop the operation and contact the place of purchase.
+ Do not expose the player to water or keep it in a damp or humid location for an extended period of time. If the player is damaged from moisture as described above, product failure is then classified as a user's misuse.
+ Touching the player with wet hands may cause damages and malfunctions.
+ Using the player in places with high occurrences of static electricity may cause malfunctions.
+ Keep the player away from magnets and direct magnetic fields, as they can cause malfunctions.
+ Be sure to disconnect the power supply to the PC and USB power adaptor during lightning or thunder storm, to prevent danger to the user and/or the risk of fire hazards.
+ Maintain the device within the temperatures specified below in order to prevent fatal damages to your player. Operating temperature: 0°C ~ 40°C Storage temperature: -10°C ~ 50°C
+ Keep the player in cool and ventilated places, away from direct sunlight as it may cause deformation and damages to internal circuitry or LCD screen.
+ Do not use detergent or other chemicals on the product surface as it may cause fading. If necessary, wipe the polluted area carefully with a soft cloth.
+ In case of using this device primarily for a storage device, it is recommended to back up all data before use. COWON SYSTEMS Inc. is not responsible for any data loss due to hardware failure.
+ All data stored in the player may become deleted when the player is serviced. Our Service Center does not backup files while repairing players. Please note that COWON SYSTEMS, Inc. is not responsible for any data loss from products entrusted to us for service.
+ The price of the product may fluctuate due to unexpected commercial conditions. COWON SYSTEMS, Inc. accepts no liability to compensate for any price fluctuation.
+ When formatting the removable disk, be sure to use only the specified file system written in this manual.

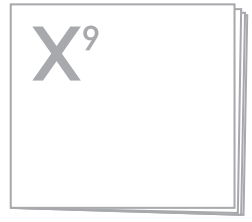
+ Package Components



COWON X9

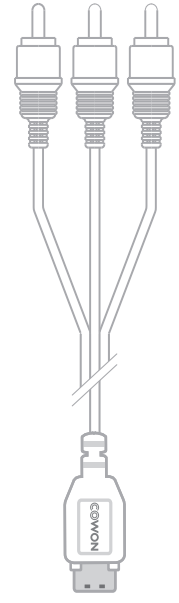


Earphones



Quick Guide

USB Cable

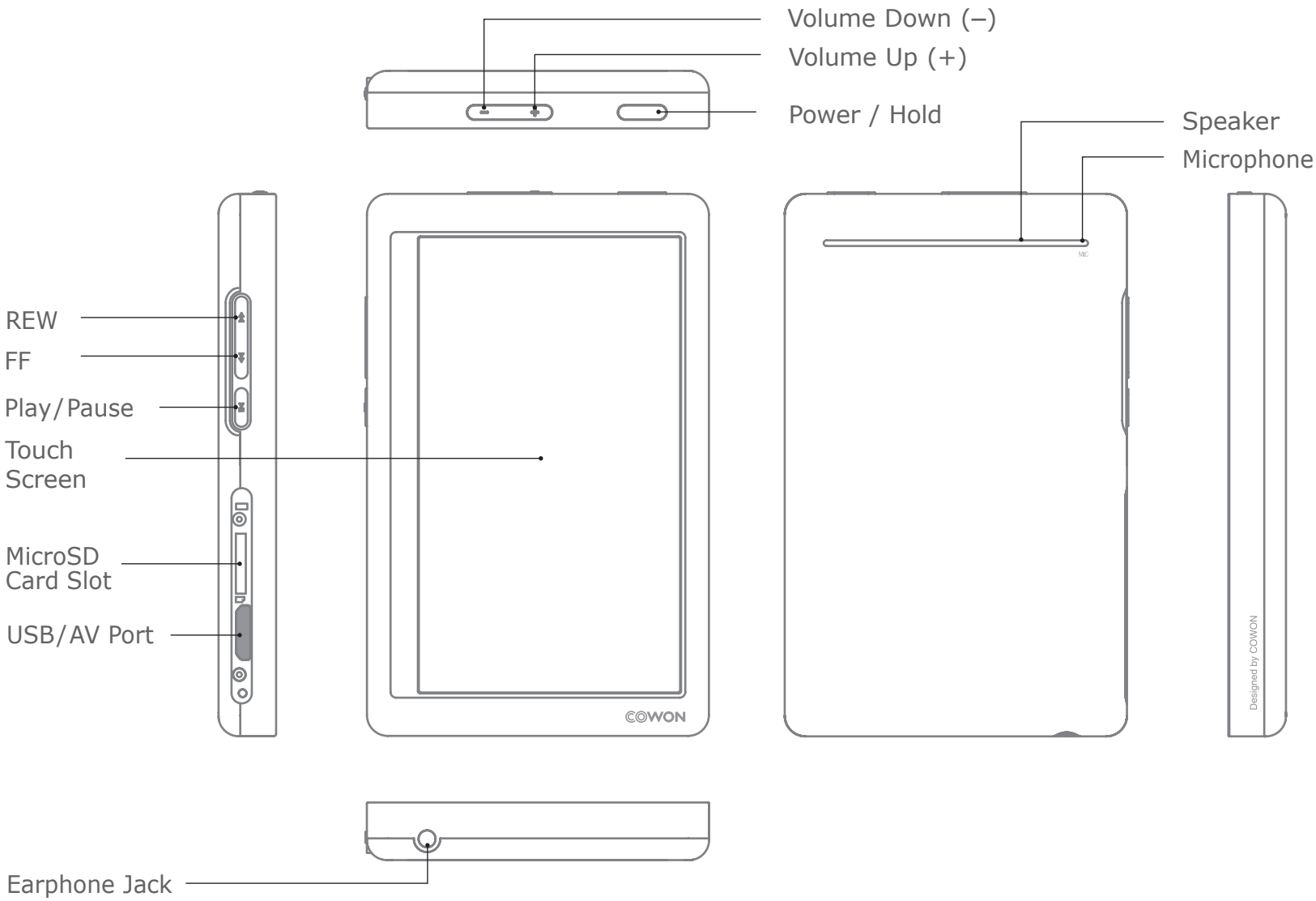


TV-Out Cable (Optional)

Line-in Cable (Optional)

* Actual package contents may differ from the above images.

+ Names of Parts and Functions

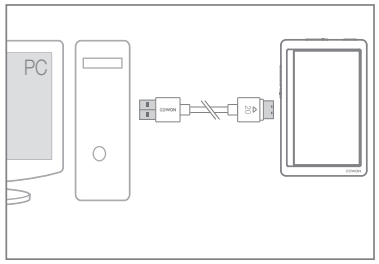


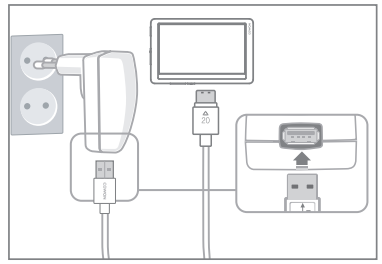
+ Buttons

1. Power On/Off : Press and hold to turn the device on or off.
2. Hold On/Off : Press briefly to activate or deactivate Hold mode.
   - The Touchpad and buttons will not respond while in Hold mode in order to prevent malfunctions due to unintentional operation.
   - SETTINGS ▶ The Settings for General Hold/ Button Use can be modified in the System menu.
   - While in Hold mode, the Volume buttons will perform the FF/Rew functions. You may choose the functions controlled by the volume buttons.
3. Power off : Press two times shortly.
   - Once the display is off, a short press will power up the display.

* Smart RESET: If a button or the touchpad is not working correctly, simultaneously press and hold both - and + buttons for approximately 5 seconds to reset the device. This reset only shuts off power in case of a device malfunction and does not affect the device's performance.
* The COWON X9's default Power Off setting is Sleep mode, which consumes very little power.

+ Charging





1. Connect between PC and USB /AV port using USB cable.
   The battery will be fully charged in about 6 hours.
2. Charging by COWON approved AC adapter:
   The battery will be fully charged in about 4.5 hours.

- When charging the player for the first time or the player has not been charged for an extended time, fully charge the battery before use.
- COWON X9 has a built-in Lithium Polymer battery. To prolong the life of the battery, it is recommended that you charge the device frequently, as opposed to fully discharging and then charging the device.
- When connected to a USB hub, the player may not charge properly. Please try connecting the player directly to a USB port on the PC.
- For safety during charging, use USB cable approved by COWON SYSTEMS, Inc.

+ Connecting and Disconnecting the PC

1. Use the USB cable to connect COWON X9 to the PC.
2. Tap the Touchpad and choose CHARGE + SYNC.
   ∗ Choose CHARGE + PLAY for charge/play mode. This mode disables the USB connection to the PC.
3. Also make sure to check My Computer or Windows Explorer to see if COWON X9 is properly connected to the PC.
4. Copy desired video, music, or other files to COWON X9.
5. When done, click the icon on the system tray to safely remove COWON X9 from the PC.
6. Click the popup message.

7. Safely remove the hardware and disconnect the USB cable.

- This device can recognize up to 12,000 folders, and up to 12,000 files (up to 8,000 music/ video files and up to 4,000 files of other supported formats).
- Disconnect the product after performing "Safely Remove Hardware" function.
- The following message may appear randomly, but it does not indicate that the product is malfunctioning. Please try again.

An error occurred when removing USB mass storage device.
Cannot stop "Generic Volume" device now. Please try to stop the device again later.
OK

- If your operating system does not display the 'Safe To Remove Hardware' window, disconnect the player after all transfer operations are completed.
- Only simple file transfer operation is available for Linux and Mac OS.
- <For MAC OS users>
  'EJECT' procedure must be performed before removing the device from the PC. The device can malfunction with MAC OS 10.5 Leopard version or later. If the device shows a problem, format it as FAT and install the latest firmware.

+ Firmware Upgrade

Firmware is software that is embedded within the hardware. Upgrading it can enhance system stability and provide additional features. Please be advised that Beta (unofficial) firmware versions may cause system malfunction.

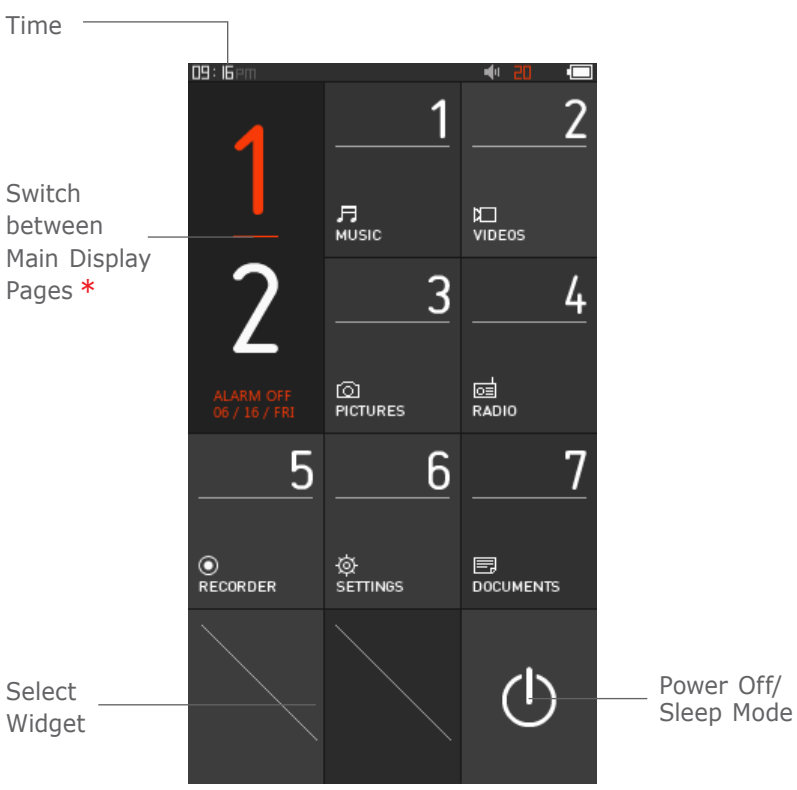
How to upgrade the firmware

1. Download the latest firmware from the SUPPORT section of the website (http://www.COWON.com).
2. Use the USB cable to connect COWON X9 to the PC.
3. Choose CHARGE + SYNC on the screen.
4. Unzip the downloaded firmware and copy it to the root folder of COWON X9.
5. Perform "Safely Remove Hardware" function on your PC and disconnect the USB cable.
6. When you turn on the product, the firmware upgrade process will start.
7. The current firmware version can be checked in Settings ▶ System ▶ Information.

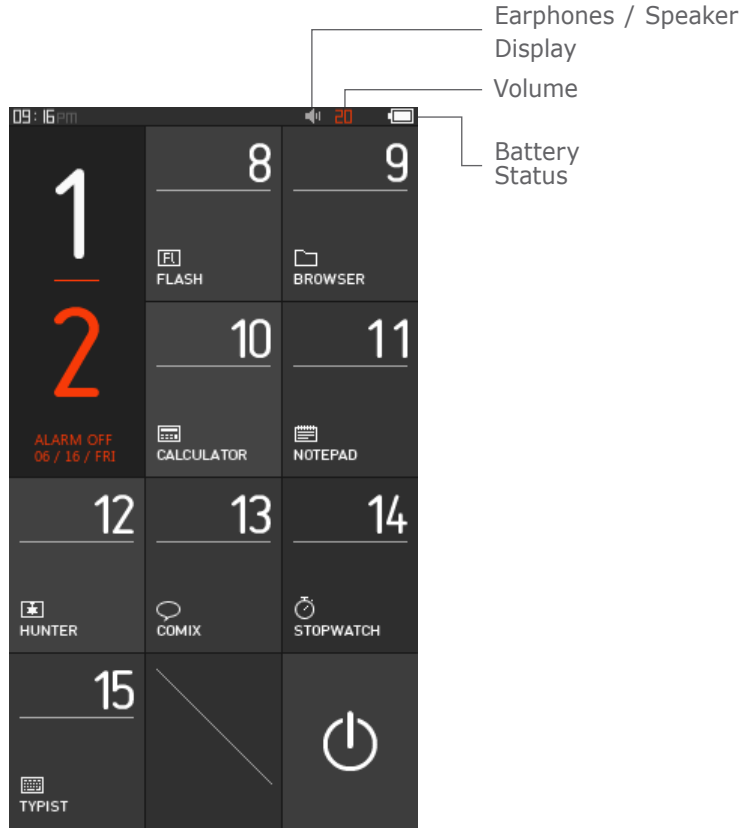
- Fully charge the player before upgrading the firmware.
- Do not turn the player off before the firmware update has been completed. It may damage the product, and will void any warranty.
- Back up any important data before the firmware upgrade as any data stored on the device may be deleted during the process. COWON accepts no liability for any loss of data.

+ Main Display

The main display of COWON X9 is divided between 2 pages.
Menu selection is intuitive, and automatic pivoting is provided using a gravity sensor. **



Main Display 1



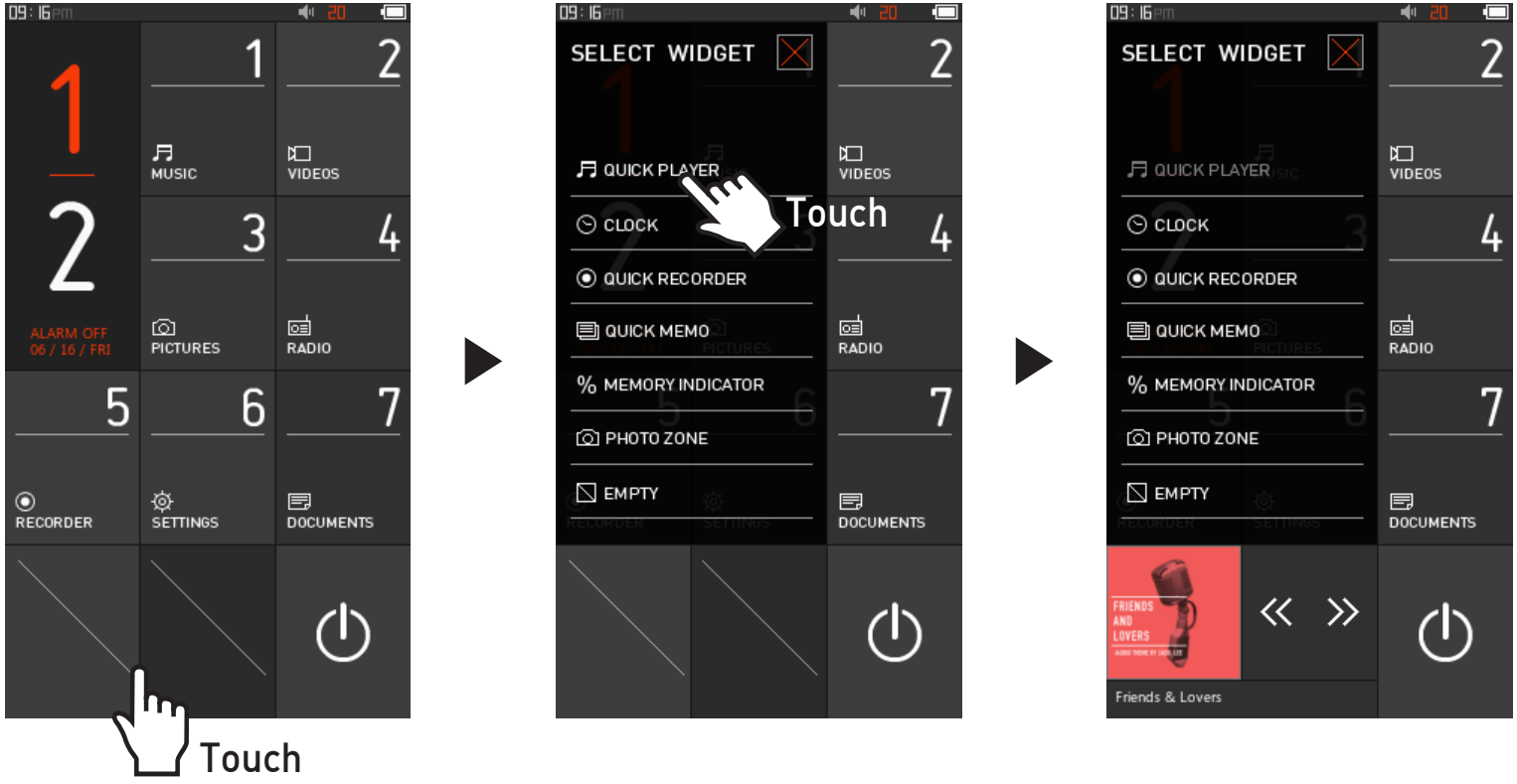
Main Display 2

* Page Toggle Icon switches between the two Main Display pages.

** By rotating device from vertical to horizontal, icons get rearranged in a horizontal position.

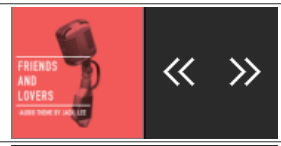
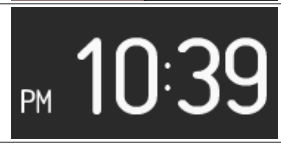
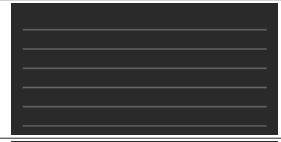
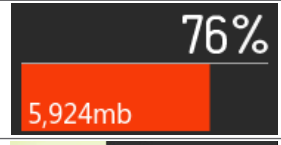
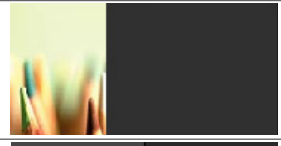
+ SELECT WIDGET

By opening SELECT WIDGET, frequently used functions can be accessed on the main display.

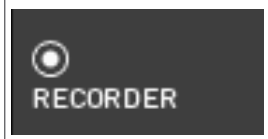
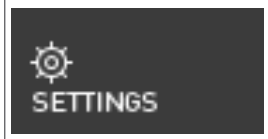
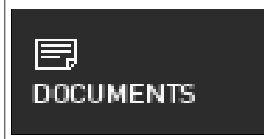


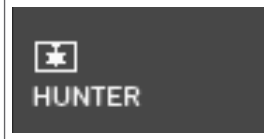
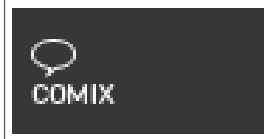
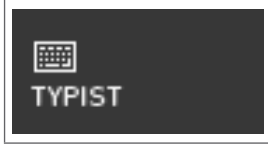
- A short press on the bottom empty icon opens SELECT WIDGET.
  For changes, press long on the icon.

+ SELECT WIDGET

QUICK PLAYER		Play/pause music files. Select previous/next music files.
CLOCK		Set time, alarm and timer.
QUICK RECORDER		Record audio using an internal microphone and play recently recorded files.
QUICK MEMO		Write and read memos using a touch keyboard.
MEMORY INDICATOR		Display unused internal memory.
PHOTO ZONE		Locate stored JPG images.
EMPTY		Left as empty.

+ Basic Menu

	Enjoy a variety of music formats.
	Watch various video files.
	Enjoy pictures and sort out favorite pictures by albums.
	Listen to FM Radio.
	Record sounds through the microphone or from other devices via the line-in connector.
	Change settings at user's convenience.
	Read TXT files.
	Play Flash games and animations.

	Access data stored in different folders on the device.
	Touch-based calculator.
	Create memos using the keyboard.
	A simple flash game using a gravity sensor.
	Comic book images can be viewed.
	Stopwatch and countdown features can be used.
	Write a simple memo or draw a picture.

+ Settings

JetEffect 5	You can select from 48 different JetEffect 5 Equalizer Presets. ∗ Tap the User 1/2/3/4 icon twice to adjust the equalizer and choose the User Settings.
Display	Use this menu to change screen display options, such as: language, font, time display, wallpaper, auto screen off, brightness, TV output standard, and picture preview.
Time	Use this menu to change time options, such as: date & time, alarm, sleep timer and auto off. ∗ If an alarm is set, the device will automatically enter sleep mode when you turn it off.
Music	Use this menu to change audio playback options, such as: skip interval, seek interval, resume, play speed, pitch correction, fade in, lyrics.
Video	Use this menu to change video playback options, such as: skip interval, resume, play speed, pitch correction, subtitle, subtitle language.
Recording	Use this menu to change recording options, such as : line-in quality, microphone quality, FM radio quality, line-in volume, microphone volume, and auto sync.
System	Use this menu to change system settings, such as : hold mode, sleep mode, beep, audio L/R, speaker, touch sensitivity, USB mode, clear WMDRM10 licenses, database update, load defaults, and information.

+ Settings

JetEffect 5

Select your sound effect from 48 JetEffect presets.	Normal / BBE / BBE ViVA / BBE ViVA 2 / BBE Mach3Bass / BBE MP / BBE Headphone / BBE Headphone 2 / BBE Headphone 3 / Rock / Jazz / Classic / Ballad / Pop / Club / Funk / Hip Hop / Techno / Blues / Metal / Dance / Rap / Wide / X-Bass / Hall / Vocal / Maestro / Feel the Wind / Mild Shore / Crystal Clear / Reverb Room / Reverb Club / Reverb Stage / Reverb Hall / Reverb Stadium / Reverb Chamber / Reverb Room 2 / Reverb Club 2 / Reverb Hall 2 / Reverb Auditorium / Reverb Cathedral / Reverb Stadium 2 / Reverb Canyon / Reverb Long / User 1 / User 2 / User 3 / User 4	
4 user-defined presets with equalizer, BBE+, Stereo Enhance, Reverb, etc.	User 1 / User 2 / User 3 / User 4	
JetEffect 5 is the most sophisticated and powerful sound technology available for MP3 and PMP devices.	EQ Filter	Each band of the equalizer can be adjusted in detail.
	BBE	Sound effect that refines the sound quality
	Mach3Bass	Provide deeper, tighter, and more musically accurate bass frequency.
	3D Surround	Provide the three-dimensional surround sound effect.
	MP Enhance	Restore and enhances the harmonics lost through compression.
	Stereo Enhance	Enrich the stereo sound.
	Reverb (9 Modes)	Maximize the natural and live presence of the sound.

* You may hear distortion or noise when using extreme settings of JetEffect 5.

+ Product Specification

Product Capacity	8GB / 16GB / 32GB (Flash memory, FAT32 file system) 1)		
Display	16 million colors, 4.3” Wide LCD (480X272), Touchscreen		
Dimensions & Weight	72.5mm (W) x 114.9mm (H) x 12.2mm (T) / 159g		
Buttons	POWER/HOLD, FF, REW, PLAY/PAUSE, VOL+, VOL-		
Color	White		
Battery & Power	Battery	Built-in rechargeable lithium polymer battery.	
	Playback Time	Music : Max. 110 hours / Video : Max. 13 hours 2)	
	Battery Charging	USB : 6 hours (5V / 500mA) AC Adapters : 4.5 hours (4.2V / 750mA)	
System Requirement	CPU	Pentium lll 500MHz or higher	
	OS	Windows 7 / Vista / XP / 2000 / ME: All functions supported MAC OS 10.x / Linux v2.4 or higher: SFile transfer supported	
	USB Port	2.0 High Speed (recommended)	
Etc.	Speaker, Microphone, MicroSD Card Slot		
Audio	Frequency Range	20Hz~20,000Hz	
	Max Output	Stereo, Left: 29mW, Right :29mW (16Ω earphones)	
	S/N Ratio	95dB	
	File Formats	MP3/2, WMA, OGG, FLAC, APE, WAV	
	Audio Codecs	MP3 : MPEG 1/2/2.5 Layer 3, ~320Kbps, ~48KHz, Mono/Stereo WMA : ~320Kbps, ~48KHz, Mono/Stereo OGG : ~Q10, ~44.1KHz, Mono/Stereo FLAC : Compression Level 0 ~ 8, ~44.1KHz, Mono/Stereo APE : Fast, Normal, High compression 16Bit, ver. 3.97~3.99 WAV : ~48KHz, 16bit, Mono/Stereo	
	Meta Tag	ID3 V1, ID3 V2.2 / V2.3, Vorbis Comment	
	JetEffect 5	48 Presets (44 Presets + 4 User Presets)	
		EQ	5 Band Equalizers (EQ Filter)
		BBE+	BBE, Mach3Bass, 3D Surround, MP Enhance
		Special Effect	Stereo Enhance, Reverb (9 Modes)
	Lyrics	LDB 1.0, 2.0, LRC	

+ Product Specification

Video	File Formats	AVI, WMV, ASF
	Video Codecs	Xvid SP/ASP, WMV 7/8/9 (screen resolution, frame rate, bit rate, and other options may affect the playback of some clips)
	Video Resolution	480X272, 30fps (recommended)
	Audio Codecs	MPEG 1/2/2.5 Layer 3, WMA
	Subtitle	SMI
TV Output	Method	Video: Composite Audio: Stereo
	Formats	NTSC / PAL
Photo	Supports JPG, no limit (progressive format : up to 1M pixels)	
Document	Supports TXT, no limit (exception UTF-8 Unicode (big endian))	
FM Radio	Frequency Range	87.5-108 MHz (KR, US, EU), 76-90 MHz (JP)
Recording	Mic / Line-in / FM Radio	

1) The storage capacity may differ from the actual capacity due to the space used to store system files.
2) The playback time is based on the company's own test standards therefore it may differ from the actual playback time.

+ Troubleshooting

+ I am still confused even after reading the manual.

COWON website (www.COWON.com) provides support for users of COWON products with FAQ (Frequently Asked Questions) Users are strongly encouraged to check out the website for further information regarding product usages and firmware upgrades. For individual inquiries, please contact us on-line as we will try to help you as best as we can.

+ I would like to set the device as factory default.

To reset all settings to factory default, go to SETTINGS ▶ System ▶ Load Defaults.

+ The player does not turn on.

Check if the battery is recharged or the device is connected to a power source.
If the battery is fully discharged, use a genuine adapter to recharge the battery before turning on the device. If the device does not respond, simultaneously press and hold both – and + volume buttons for approximately 4 seconds to force the device to reset.

+ The Touchpad or the buttons don’t work.

The device will not respond while the Touchpad Hold option is turned on. Press the Power/Hold button briefly to inactivate Hold mode.

+ I can’t hear any sound.

Check if the volume is set to “0”. Check if there is any file available in the player. If there is no file in the player, you will not hear any sound. Please note that corrupted files will result in a noise or discontinued playback. Make sure the earphones are connected properly. Impurities in the earphone jack can cause a noise.

+ Files that I have stored do not appear in the list.

Each mode shows you a list of playable files only. To view all files that you have stored, select the Browser mode. Please note that System folder will not appear in the Browser.

+ Album image is not displayed in Music Mode.

To display an album image, the music file must have an image stored in its ID3 tag. Please save an image in the file using a program for editing ID3 tags. COWON X9 supports Album Art 2.0 and you can store up to 6 album images.

+ Video playback doesn’t work.

Make sure that your files are in a format that COWON X9 supports (check the codecs/resolution/options). If you’re unsure of a video’s compatibility, use a video conversion program (e.g. JetAudio) and then play the converted version.

+ Troubleshooting

+ FM Radio does not work.

The product's earphones work as the FM Radio antenna. Straightening the earphone cable will result in better radio reception. FM Radio reception may be poor at locations where FM Radio transmissions are shielded. If FM Radio does not work where reception should be possible, please contact our service center.

+ There is too much noise in my recordings.

The product uses ultra-small internal microphone, so it may be more susceptible to noise during recordings. The microphone should not be covered with anything during recording.

+ Characters on the display are corrupted.

Set your preferred language again in Settings ▶ Display ▶ Language. If the problem persists, set the current font to the system font. COWON products are developed based on the Korean Windows OS, and this may cause corruption of some special fonts or languages on the display.

+ Computer cannot recognize the player when connected.

If you cannot turn on the device or the device is not recognized by the PC after connecting the device, unplug the device from the PC and reset it by simultaneously holding both the - and + volume buttons for approximately 4 seconds. If the connection is unstable and the device is repeatedly disconnected, plug the device into a USB port connected directly to the motherboard of the PC. If your PC does not recognize COWON X9 because the device is out of battery power, recharge the device or connect it to a power source before reconnecting it to your PC. After connecting the device to your PC, the CHARGE+PLAY menu may continue charging COWON X9 without recognizing it as a USB device. If this occurs, select the CHARGE+SYNC menu for USB connections.

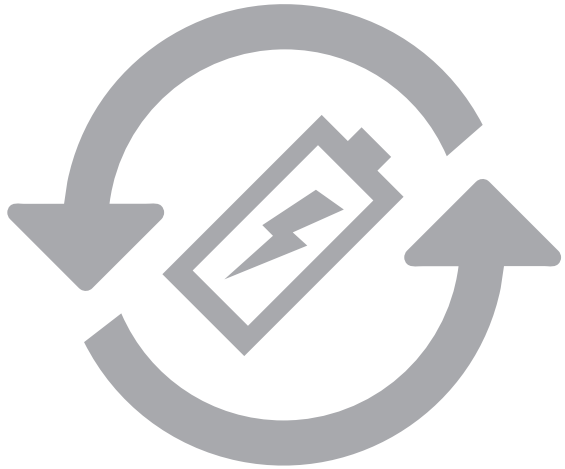
+ Memory capacity of the player is different or smaller than specified.

The memory capacity indicated by Windows may be different from that indicated by the memory manufacturer. The actual capacity will be reduced from the original size because some space of the memory should be used as the system area for normal operation.

+ The player does not play properly when memory is full.

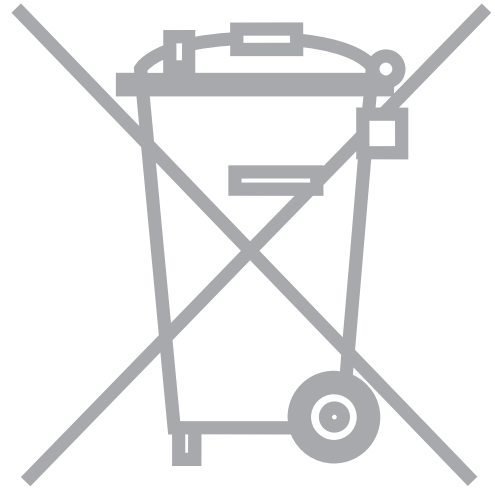
For the player to function properly, it requires at least 10 MB of space for saving settings and other system files.

+ Battery Replacement



The rechargeable batteries have limited number of charge cycles, and it will require a replacement as capacity to hold power will eventually diminish. The rechargeable batteries in COWON products should be replaced only by official COWON service centers. Please contact batteryreplace@cowon.com for more information on official COWON service centers.

+ Product Disposal



COWON products contain built-in rechargeable batteries, and must be separately disposed from household waste. Disposing the products with regular waste may cause pollution to the environment due to the waste batteries inside. Contact your local authorities for specified locations / guidance of E-waste and waste batteries, and dispose them in compliance with local regulation / guidance.

DIGITAL PRIDE.

COWON